

## EAST Search History

| Ref # | Hits  | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|-------|---|---|------------------|---------|------------------|
| S1    | 11399 | ((362/327,555,267,311,800,612, 610,618,631,628) or (313/503,504, 506,509,512)).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR               | OFF     | 2006/08/14 15:22 |
| S2    | 17    | S1 and (light near emitting near (diode device)) and (((shield\$3 blcok\$3) with surface) same direction)   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR               | ON      | 2006/06/06 16:01 |
| S3    | 129   | S1 and (light near emitting near (diode device)) and ((shield\$3 blcok\$3) with surface)  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR               | ON      | 2006/06/06 16:20 |
| S4    | 514   | S1 and (light near emitting near (diode device)) and ((shield\$3 blcok\$3))   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR               | ON      | 2006/06/06 16:20 |
| S5    | 385   | S4 not S3   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR               | ON      | 2006/06/06 16:21 |
| S6    | 14144 | ((362/327,555,267,311,800,612, 610,618,631,628) or (313/503,504, 506,509,512) or (257/98-100)). CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR               | OFF     | 2006/06/06 18:14 |
| S7    | 1338  | S6 and (light near3 (emiss\$4 emitt\$4) near4 (diode device element)) and ((light near (shield\$3 shad\$3 block\$3)) ((black opaque) near3 (member matrix element strip column row layer laminat\$3 film))) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/06/06 20:29 |
| S8    | 14    | (imai and fukasawa).in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/06/06 18:37 |
| S9    | 236   | (imai).in. and (light with emitting with diode)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/06/06 18:35 |
| S10   | 62    | (fukasawa).in. and (light with emitting with diode)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/06/06 18:37 |

## EAST Search History

|     |      |   |  |    |     |                  |
|-----|------|---|--|----|-----|------------------|
| S11 | 2358 | (light near3 (emiss\$4 emitt\$4) near4 (diode device element)) and ((light near (shield\$3 shad\$3 block\$3)) ((black opaque) near3 (member matrix element strip column row layer laminat\$3 film)))) | EPO; JPO; DERWENT; IBM_TDB                         | OR | ON  | 2006/06/06 20:31 |
| S12 | 1631 | (light near3 (emiss\$4 emitt\$4) near4 (diode device element)) and ((light near (shield\$3 shad\$3 block\$3)) ((black opaque) near3 (member matrix element strip column row layer laminat\$3 film)))) | EPO; JPO   | OR | ON  | 2006/06/06 20:31 |
| S13 | 2    | ((("6392342") or ("3694902")).PN.   | US-PGPUB; USPAT; USOCR                             | OR | OFF | 2006/08/01 17:02 |
| S14 | 2610 | (362/249,252,611-613).CCLS.   | US-PGPUB; USPAT; USOCR                             | OR | OFF | 2006/08/14 15:00 |
| S15 | 615  | (362/249,252,611-613).CCLS.   | US-PGPUB   | OR | OFF | 2006/08/14 14:56 |
| S16 | 325  | S15 and @ad<"20030930"  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2006/08/14 14:56 |
| S17 | 1995 | (362/249,252,611-613).CCLS.   | USPAT; USOCR                                       | OR | OFF | 2006/08/14 15:00 |
| S18 | 1454 | S17 and @ad<"20030930"  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2006/08/14 15:01 |
| S19 | 1210 | (313/512).CCLS.   | US-PGPUB; USPAT; USOCR                             | OR | OFF | 2006/08/14 15:25 |
| S20 | 466  | (313/512).CCLS.   | US-PGPUB   | OR | OFF | 2006/08/14 15:23 |
| S21 | 193  | S20 and @ad<"20030930"  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2006/08/14 15:23 |
| S22 | 744  | (313/512).CCLS.   | USPAT; USOCR                                       | OR | OFF | 2006/08/14 15:25 |

## EAST Search History

|     |     |                        |   |    |    |                  |
|-----|-----|------------------------|---|----|----|------------------|
| S23 | 569 | S22 and @ad<"20030930" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/14 15:26 |
|-----|-----|------------------------|---|----|----|------------------|

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| L1    | 1    | ((light with emitting with diode) and (element adj substrate) and (sealing adj body) and (shielding adj member)).clm. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/08/18 14:04 |
| L2    | 1    | ((light with emitting) and (element adj substrate) and (sealing adj body) and (shielding adj member)).clm.            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/08/18 14:04 |
| L3    | 1    | ((light with emitting) and (substrate) and (sealing adj body) and (shielding adj member)).clm.                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/08/18 14:04 |
| L4    | 1    | ((light with emitting) and (substrate) and (seal\$4 adj body) and (shield\$4 adj member)).clm.                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/08/18 14:05 |
| L5    | 69   | ((light with emitting) and (substrate) and (seal\$4) and (shield\$4)).clm.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/08/18 14:05 |

*INTERFERENCE SEARCH*  
8/18/06 